

Power

Cordex HP™ 300W

300W High Efficiency Rectifier



Cordex HP 48V Switched mode rectifier

- Up to 95% efficiency for increased Op-Ex savings and reduced carbon footprint
- Compact size yields more space for revenue generating equipment
- Wide AC input range for worldwide installation requirements
- Dual front and back DC outputs allow maximum flexibility
- Wide temperature operation for installation in harsh environments
- Active load sharing on rectifier level for improved reliability

The class-leading efficiency of our newest rectifier helps operators to reduce their energy bills but it also enables to reduce the thermal dissipation in cabinets which are generally required to be small. The rectifier delivers 300W in the small size of 1U x 2U x 160mm to supply power to applications such as the μ TCA.

The rectifier offers two outputs: one at the rear and one at the front. This enables users to easily power a single load from the front without the provision of an additional DC distribution, allowing to align the investments with the actual needs. To benefit from the load sharing and redundancy functions, the system can be upgraded by connecting the rear connector of the rectifier to a common DC bus.

The rectifiers have been designed and tested to operate in non-controlled environment and offer full power up to 70°C. The rectifiers are protected against input under-voltage and support up to 300VAC without damage. Output overvoltage and overload protections, smart output power limitation, thermal shutdown, and of course hot swap and redundancy complete the numerous protections. Combined with a careful selection of components and an optimized thermal management, the rectifier secures the high availability of your remote street equipment.

The rectifier can be monitored and controlled through analogue signals. It is also equipped with a CAN signal bus. A LED on the front plate immediately signals the proper working of the unit, failures or degraded mode, resulting in a very simple and quick maintenance.

